



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/813,026	03/21/2001	Masaki Miura	1614.1146	2746

21171 7590 08/11/2004

STAAS & HALSEY LLP
SUITE 700
1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

HO, TUAN V

ART UNIT	PAPER NUMBER
----------	--------------

2615

DATE MAILED: 08/11/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/813,026

Applicant(s)

MIURA ET AL.

Examiner

Tuan V Ho

Art Unit

2615

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 10-12 is/are rejected.
- 7) ☒ Claim(s) 8,9 and 13 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 March 2001 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

Art Unit: 2615

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 and 10-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Yutaka cited by Applicants (JP 10-224772 with a translation).

With regard to claim 3, Yukata discloses in Figs. 1 and 3, a camera remote control system that comprises the video display control system (output section 13 provides video signals to a monitor which displays video images on screen 31a, page 4, [0019] and [0022]), a first apparatus including a camera and generating camera operation information concerning an operation of the camera (camera section 1 generates image data and parameters of camera 1, [0014 and 0017]), the camera being operated by remote control (local system 14 is used to remotely control camera section 1, [0013]); a second apparatus processing data of video captured by the camera based on the camera operation information

Art Unit: 2615

so that an image of the video can be displayed (data processing section 11 processes data of video images based on condition data of camera 1 so as to provide video images to output section 13; where the images are displayed on the monitor, [0018, 0019 and 0023]); and a network connecting said first and second apparatuses, and the data of the video and the camera operation information is transmitted from said first apparatus to said second apparatus via the network (transmission line 7 connects the remote section 6 and local system 14, [0013]).

With regard to claim 4, Yukata discloses in Figs. 1 and 3, a camera remote control system that comprises the first apparatus generates the camera operation information by determining the operation of the camera based on the image of the video ([0023]).

With regard to claim 5, Yukata discloses in Figs. 1 and 3, a camera remote control system that comprises the camera is operated from said second apparatus via the network (local system 14, [0018]).

With regard to claims 1 and 2, method claims 1 and 2 correspond to apparatus claims 3 and 4 and are analyzed the same with respect to apparatus claims 3 and 4.

With regard to claim 6, Yukata discloses in Figs. 1 and 3, a camera remote control system that comprises the camera

Art Unit: 2615

capturing the video (camera section 1 generates image data and parameters of camera 1, [0014 and 0017]), camera control part (each shaft, a zoom and a diaphragm of camera section 1 are controlled by controlling parts corresponding to the elements so as to generate camera parameters, [0015], [0013]), camera operation determination part (encoding 3 is used to embed condition data generated by controlling elements so as to transmit the data to local system 14, [0015, 0016 and 0017]), and camera operation information transmission part (transmission line 7 connects the remote section 6 including camera section 1 and local system 14, [0013]).

With regard to claim 7, Yukata discloses in Figs. 1 and 3, a camera remote control system that comprises the camera operation determination part generates the camera operation information by determining the operation of said camera based on the image of the video ([0016, 0017]).

With regard to claim 10, Yukata discloses in Figs. 1 and 3, a camera remote control system that comprises the camera operation determination part determines the operation of the camera only while control of said camera is enabled (encoding section 3 is operated only when camera section 1 is controlled by the local section 14 because controlling elements such as shafts and zoom are activated only upon a user request from local system

Art Unit: 2615

14; therefore, encoding section 3 inherently determines the operation of the camera only while the camera control is enabled).

With regard to claim 11, Yukata discloses in Figs. 1 and 3, a camera remote control system that comprises the apparatus (as discussed with respect to claim 1), camera control part (camera control unit 12 generates control signals upon an operation from a user so as to pan, tilt or zoom [0015]), video processing part (processing section 11, [0018]), and video display part (monitor 31, [0022]).

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yutaka.

Art Unit: 2615

Yutaka discloses the same subject matter discussed with respect to claim 11, except that the video processing part interpolates a lacked part of the image of the video .

Yutaka does not explicitly discloses any interpolation of missing part of video images. However, Official Notice is taken for a process of interpolation of missing part of video images.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to implement an interpolation circuit in the remote camera system of Yukata so as to interpolate a lacked part of the image of the video because the implementation of an interpolation circuit in the Yukata system would allow a user to compensate for missing part of video images and thereby to provide a continuous video images avoid missing frames.

4. Claims 8, 9 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2615

Nirikazu (cited by Applicants) discloses an image transmission system that includes read out control circuit to control reading out of a frame memory.

Masunaga et al discloses a remote camera control that comprises a control circuit used to control a delay in camera operations.

Kato et al discloses a camera control system that includes a display device using graphic user interface.

Shibata et al discloses a camera control system that includes a zoom lens controlled based on a transmission time.

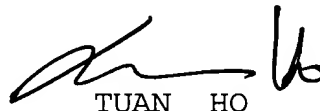
Suzuki et al discloses a camera control system that includes compression video image data generated from a video camera to a remote server.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN HO whose telephone number is (703) 305-4943. The examiner can normally be reached on Mon-Fri from 7AM to 4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Christensen, can be reached on (703) 308-9644. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306

Art Unit: 2615

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

A handwritten signature in black ink, appearing to read 'Tuan Ho', with a stylized flourish at the end.

TUAN HO

Primary Examiner

Art Unit 2615